#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application Of:. McMillen, Robert	) Examiner: <b>TBD</b>
Application No.: <b>New</b>	) Group Art Unit:
Filing Date: <b>Herewith</b>	) ) Attorney Docket No.: 41575-220
Title: Apparatus and Method For Lumbar Support With Variable Apex	) ) )
Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	

### INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office action on the merits, whichever occurs last, pursuant to 37 CFR 1.97(b). Attached hereto is Form PTO-1449, and the references cited therein.

Although there is no fee for filing this Information Disclosure Statement within the time frame described above, the Commissioner is hereby authorized to charge any unforeseen fee required to Deposit Account No. 08-3460. A duplicate copy of this sheet is enclosed.

# **REMARKS**

## Foreign Patent Documents

Applicant makes the following remarks relating to the cited foreign patents, arranged by reference letter:

- BA See English translation attached to EP 698 360 B1. The priority for this patent is AT serial number 1561/94, now patent number 402145. Equivalents include DE 59508036D and ES 2144599.
- BB No remarks.

- English claims are included in the specification of EP 0797 399 B1. US 5,934,752, as cited herein, is an English equivalent. An additional equivalent includes JP 10510442T. The priority for this patent is DE 44 44803A1. Also see WO9518326.
- BD English claims are included in the specification of EP 0 746 219 B1. US 6,079,783, as cited herein, is an English equivalent to this patent. The priority for this patent is DE 4405495. Also see WO9522270.
- BE English claims are included in the specification of EP 0 696 251. US 5,704,687, as cited herein, is an English equivalent. Additional equivalents include AU 680249, BR PI9406485, CN ZL94191955, IN 108926, KR 306258, MX 190788 and ZA 94/2596. The priority for this patent is DE 4314325. Also see WO9425307.
- BF English claims are included in the specification of EP 0 702 522 B1. US 5,913,569, as cited herein, is an English equivalent. The priority for this patent is DE 4320105. Also see WO9500053.
- English claims are included in the specification of EP 0 662 795 B1. US 5,651,583, as cited herein, is an English equivalent. Additional equivalents include AU 684472, CN ZL93118221, KR 6158300 and IN 178518. The priority for this patent is DE 4232679. Also see WO9407393.
- BH No English equivalents were found for this patent; see english translation of the abstract attached thereto.
- BI Equivalents include DE 69206581D or DE 69206581T. The priority for this patent is IT 1991TO00831.
- BJ Sere English translation attached to EP 0 434 660 B1. Equivalents include DE 59009013D, and ES 2077668T. The priority for this patent is AT 396055B.

- BK English claims are included in the specification of EP 0485 483 B1. US 5,397,164, as cited herein, is an English equivalent. The priorities for this patent are AT 1882/89 and AT 2133/89. Additional equivalents include AU 645 987, CA 2,059,537, CN ZL90108563, CO 24068, BR PI9007576, JP 2833629B2, MX 174767, and ZA 90/7227. Also see WO9101666.
- BKa See English abstract attached to DE 42 20 995 A1.
- BL The specification of EP 0 322 535 is in English; equivalents include JP 1175808 and KR 9206272.
- BM The specification of EP 169 293 B1 is in English; equivalents include SE 445 168 and US 4,627,661, as cited herein.
- BN See English abstract attached to FR 2596334; no additional English equivalents were found.
- English claims are included in the specification of EP 0 006 840 B1. US 4,354,709, as cited herein, is an English equivalent to the EP patent. Equivalents also include AR 219799, BR 7904058, CA 1,113,192, CS 7904357, DE 2962040D, ES 481713, JP 55044175, MX 150056, SU 971117, US 4,452,485 (cited herein), YU 148779, ZA 7902780.
- BP No English equivalent found; see English translation of the claims attached thereto. The relevance is to show the general state of the art.
- BQ An equivalent to GB 1 423 617 includes DE 2345254. AT 316802 is the priority for this patent.
- BR US 3,762,769, as cited herein, is an English equivalent to DE 206 4419. Additional equivalent patents include FR 2120888 and IT 940824.
- BS US 3,724,144, as cited herein, is an English equivalent to DE 204 0794. Additional equivalent patents include FR 2065915 and SE 372 698. AT 306949 is the priority for this patent.
- BT See English translation attached to RU 587924.
- BU No remarks.

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## 37 CFR 1.501 INFORMATION DISCLOSURE CITATION IN A PATENT

(use as many sheets as necessary)

Docket Number (Optional) 41575-220	Application Number	
Applicant McMillen, Robert		
Filing Date	Group Art Unit	

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Examiner		T						<u>U.S.</u>	PATENT DOC	UMENTS			Filing Date If
Initial	Ref.	-	1 -		ment N		,		Date	Name	Class	Subclass	Appropriate
	AA	6	5	3	6	8	4	0	3/25/2003	Schuster, Sr. et al.	297	284.1	12/15/2000
	AB	6	3	3	8	5	3	0	1/15/2002	Gowing	297	284.4	1/30/2000
	AC	6	3	3	4	6	5	1	1/1/2002	Duan et al.	297	284.4	3/31/2000
	AD	6	2	9	6	3	0	8	10/2/2001	Cosentino et al.	297	284.4	2/10/2000
	AE	6	2	7	0	1	5	8	8/7/2001	Hong	297	284.4	4/20/2000
	AF	6	2	5	4	1	8	7	7/3/2001	Schuster, Sr. et al.	297	284.1	8/24/1999
	AG	6	2	5	4	1	8	6	7/3/2001	Falzon	297	284	7/30/1997
	AH	6	2	2	7	6	1	8	5/8/2001	Ligon, Sr. et al.	297	284.4	4/3/2000
	ΑI	6	2	2	7	6	1	7	5/8/2001	Von Möller	297	284.4	3/21/1988
	AJ	6	1	5	8	3	0	0	12/12/2000	Klingler	74	526	1/5/1998
	AK	6	1	5	2	5	3	2	11/28/2000	Cosentino	297	284.4	12/13/1999
	AL	6	1	5	2	5	3	1	11/28/2000	Deceuninck	297	284.4	8/20/1997
	AM	6	0	9	2	8	7	1	7/25/2000	Beaulieu	297	284.4	10/29/1999
	AN	6	0	7	9	7	8	3	6/27/2000	Schuster, Sr. et al.	297	284.4	2/21/1995
	AO	6	0	5	0	6	4	1	4/18/2000	Benson	297	284.4	12/19/1997
	AP	6	0	4	5	1	8	5	4/4/2000	Ligon, Sr. et al.	297	284.4	6/30/1998
	AQ	6	0	3	6	2	6	5	3/14/2000	Cosentino	297	284.4	8/28/1998
	AR	6	0	3	0	0	4	1	2/29/2000	Hsiao	297	284.4	3/2/1999
	AS	6	0	0	7	1	5	1	12/28/1999	Benson	297	284.4	9/30/1998
	AT	6	0	0	3	9	4	1	12/21/1999	Schuster, Sr. et al.	297	284.1	7/6/1998
	AU	5	9	8	8	7	4	5	11/23/1999	Deceuninck	297	284.4	1/3/1997
	AV	5	9	8	4	4	0	7	11/16/1999	Ligon, Sr. et al.	297	284.4	3/10/1997
	AW	5	9	7	5	6	3	2	11/2/1999	Ginat	297	284.4	9/2/1998
	AX	5	9	3	4	7	5	2	8/10/1999	Klingler	297	284.4	12/14/1995
	AY	5	9	l	3	5	6	9	6/22/1999	Klingler	297	284.4	6/16/1994
	AZ	5	9	1	1	4	7	7	6/15/1999	Mundell, et al.	297	284.4	5/29/1997
	AAA	5	8	9	7	1	6	8	4/27/1999	Bartelt, et al.	297	452.18	7/26/1996
	AAB	5	8	8	4	9	6	8	3/23/1999	Massara	297	216.12	8/25/1997
	AAC	5	8	6	8	4	6	6	2/9/1999	Massara, et al.	297	284.6	2/2/1996
	AAD	5	8	5	7	7	4	3	1/12/1999	Ligon, Sr. et al.	297	284.9	2/10/1997
	AAE	5	8	2	3	6	2	0	10/20/1998	Le Caz	297	284.4	4/17/1997
	AAF	5	8	I	6	6	5	3	10/6/1998	Benson	297	284.4	3/17/1997
	AAG	5	7	9	1	7	3	3	8/11/1998	Van Hekken, et al.	297	284.4	6/20/1997
	AAH	5	7	7	5	7	7	3	7/7/1998	Schuster, et al.	297	284.1	1/6/1997

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AAI													
AAK 5 7 6 2 3 9 7 6 6001998 Venuto, et al. 297 284.4 3/24/1997  AAL 5 7 5 8 9 2 2 5 6/21/1998 Schrewe, et al. 297 284.6 12/21/1996  AAM 5 7 1 8 4 7 6 2/17/1998 De Pascal, et al. 297 284.4 9/20/1996  AAN 5 7 0 4 6 8 7 1/6/1998 De Pascal, et al. 297 284.4 9/20/1996  AAN 5 7 0 4 6 8 8 7 1/6/1998 De Pascal, et al. 297 284.4 9/20/1996  AAN 5 7 0 4 6 8 8 7 1/6/1998 Ningler 297 284.4 4/22/1994  AAO 5 6 5 1 5 8 8 4 7/29/1997 Chenot, et al. 297 284.4 4/22/1994  AAO 5 6 3 8 7 2 2 6/17/1997 Kingler, et al. 297 284.4 9/10/1993  AAQ 5 6 3 8 7 2 2 6/17/1997 Kingler, et al. 297 284.4 9/10/1993  AAQ 5 6 3 8 7 2 2 6/17/1997 Schuster, et al. 297 284.1 6/7/1995  AAS 5 6 2 6 3 9 9 0 5/6/1997 Schuster, et al. 297 284.1 6/7/1995  AAS 5 6 0 9 3 9 4 3/17/1997 Ligon, 5r., et al. 297 284.1 6/7/1995  AAA 5 5 8 8 7 0 3 12/31/1996 Itou 297 284.4 10/12/95  AAU 5 5 6 7 0 1 1 10/02/1996 Sessini 297 284.4 5/12/1994  AAV 5 5 6 7 0 1 1 0 10/22/1996 Sparks 297 284.4 8/29/1994  AAV 5 5 6 7 0 1 1 0 10/22/1996 Massara, et al. 297 284.4 8/29/1994  AAV 5 5 6 7 0 1 1 0 10/22/1996 Massara, et al. 297 284.4 5/12/1996  AAX 5 5 7 8 8 8 8 2 9 4 5/21/1996 Massara, et al. 297 284.4 5/23/1996  AAX 5 5 7 8 8 8 8 12/12/1996 Schuster, et al. 297 284.4 5/23/1996  AAX 5 5 7 8 8 8 8 12/12/1996 Schuster, et al. 297 284.1 12/8/1994  AAX 5 5 7 8 8 8 8 8 8 8 8 12/12/1996 Massara, et al. 297 284.4 5/23/1994  AAA 5 5 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	AAI	5	7	7	2	2	8	1	6/30/1998	Massara	297	284.4	5/19/1997
AAL 5 7 7 5 8 9 2 5 602/1998 Schrewc, et al. 297 284.6 12/2/1996  AAM 5 7 1 8 4 7 6 2/17/1998 De Pascal, et al. 297 284.4 9/20/1996  AAN 5 7 0 4 6 6 8 7 16/1998 Klingler 297 284.4 4/22/1994  AAO 5 6 5 1 5 8 4 7/29/1997 Chenot, et al. 297 284.4 4/22/1994  AAO 5 6 5 1 5 8 3 7/29/1997 Chenot, et al. 297 284.4 4/24/1995  AAP 5 6 5 1 5 8 3 7/29/1997 Klingler, et al. 297 284.4 9/10/1993  AAQ 5 6 3 8 7 2 2 6/17/1997 Klingler, et al. 297 284.4 9/10/1993  AAQ 5 6 3 8 7 2 2 6/17/1997 Klingler, et al. 297 284.4 6/16/1994  AAR 5 6 2 6 3 9 0 5/6/1997 Chenot, et al. 297 284.4 6/16/1994  AAR 5 6 2 6 3 9 0 5/6/1997 Chenot, et al. 297 284.4 6/16/1994  AAR 5 5 6 0 9 3 3 9 4 3/11/1997 Ligon, Sr., et al. 297 284.4 16/12/1995  AAU 5 5 6 7 0 1 1 10/22/1996 Sessini 297 284.4 16/12/1994  AAV 5 5 6 7 0 1 1 10/22/1996 Sessini 297 284.4 5/12/1994  AAW 5 5 6 7 0 1 1 010/22/1996 Sparks 297 284.4 8/29/1994  AAW 5 5 5 6 7 0 1 1 010/22/1996 Massara, et al. 297 284.6 2/2/1996  AAX 5 5 5 3 9 1 7 9/10/1996 Massara, et al. 297 284.4 6/30/1994  AAX 5 5 5 3 9 1 7 9/10/1996 Lagon, Sr., et al. 297 284.4 6/30/1994  AAAA 5 4 9 8 0 6 3 3/12/1996 Schuster, et al. 297 284.1 12/28/1994  AAAA 5 4 7 4 3 5 8 12/11/1996 Ligon, Sr., et al. 297 284.4 1/18/1993  AAAB 5 4 5 2 8 6 8 9/26/1995 Kanigowski 244 122 R 1/9/1995  AAAC 5 4 9 8 0 6 3 3/12/1996 Schuster 297 284.1 12/28/1994  AAAB 5 4 7 4 3 5 8 12/12/1995 Maeyaert 297 284.1 12/28/1994  AAAB 5 4 7 4 3 5 8 12/12/1995 Maeyaert 297 284.1 12/28/1994  AAAB 5 4 7 4 3 5 8 12/12/1995 Maeyaert 297 284.1 12/28/1993  AAAB 5 4 7 7 4 3 5 8 12/12/1995 Maeyaert 297 284.1 12/28/1993  AAAB 5 4 7 7 4 3 5 8 12/12/1995 Maeyaert 297 284.1 12/28/1994  AAAB 5 4 7 7 4 3 5 8 12/12/1995 Maeyaert 297 284.1 12/28/1994  AAAB 5 4 7 7 4 3 5 9 3 6/13/1995 Maeyaert 297 284.1 12/28/1994  AAAB 5 1 7 7 7 8 0 0 6/13/1993 Maeyaert 297 284.1 12/28/1993  AAAB 5 0 7 7 6 6 4 3 3/14/1995 Chuster 297 284.1 4/26/1993  AAAB 5 0 7 6 6 4 3 3/14/1995 Chuster, et al. 297 284.7 3/13/1991  AAAB 5 0 8 6 7 9 0 0 2/18/1992 Mainwright, et al. 297 284.5 5/19/1991  A	AAJ	5	7	6	9	4	9	1	6/23/1998	Schwarzbich	297	284.4	12/2/1996
AAM   S   7   1   8   4   7   6   2/17/1998   De Pascal, et al.   297   284.4   9/20/1996	AAK	5	7	6	2	3	9	7	6/9/1998	Venuto, et al.	297	284.4	3/24/1997
AAN 5 7 0 4 6 8 7 10/6/1998 Klingler 297 284.4 4/22/1994  AAO 5 6 5 1 5 8 4 7/29/1997 Chenot, et al. 297 284.4 4/24/1995  AAP 5 6 5 1 5 8 4 7/29/1997 Klingler, et al. 297 284.4 4/24/1993  AAP 5 6 5 1 5 8 3 7/29/1997 Klingler, et al. 297 284.4 9/10/1993  AAQ 5 6 3 8 7 2 2 6 1/17/1997 Klingler 7-4 502.4 6/16/1994  AAR 5 6 2 6 3 9 0 5/6/1997 Schuster, et al. 297 284.1 6/7/1995  AAS 5 6 0 9 3 9 4 3/11/1997 Ligon, Sr., et al. 297 284.4 10/12/95  AAS 5 6 0 9 3 9 4 3/11/1997 Schuster, et al. 297 284.4 10/12/95  AAS 5 6 7 0 1 1 10/22/1996 Sessini 297 284.4 10/12/95  AAV 5 5 6 7 0 1 1 0 10/22/1996 Sparks 297 284.4 5/12/1994  AAV 5 5 6 7 0 1 1 0 10/22/1996 Sparks 297 284.4 8/29/1994  AAW 5 5 6 7 0 1 1 0 10/22/1996 Massara, et al. 297 284.4 8/29/1994  AAW 5 5 5 3 9 1 7 9/10/1996 Massara, et al. 297 284.4 5/12/1996  AAX 5 5 5 3 9 1 7 9/10/1996 Kligon, Sr., et al. 297 284.4 5/12/1996  AAX 5 5 5 1 8 2 9 4 5/21/1996 Ligon, Sr., et al. 297 284.1 12/8/1994  AAA 5 4 7 4 3 3 5 8 12/12/1996 Schuster, et al. 297 284.1 12/8/1994  AAAA 5 4 7 4 3 3 5 8 12/12/1996 Schuster, et al. 297 284.1 12/8/1994  AAAA 5 4 7 4 3 3 5 8 12/12/1996 Schuster, et al. 297 284.1 12/8/1994  AAAA 5 4 7 4 3 3 5 8 12/12/1995 Macyaert 297 284.1 12/8/1993  AAAB 5 4 5 2 2 8 6 8 9/26/1995 Kanigowski 244 122 R 1/8/1993  AAAB 5 4 7 4 3 3 5 8 12/12/1995 Nagashima 297 284.3 3/11/1994  AAAA 5 4 7 4 3 3 5 8 12/12/1995 Nagashima 297 284.3 3/11/1994  AAAA 5 4 7 4 8 9 8 6 0 6 8 9/26/1995 Schuster 297 284.4 1/12/8/1993  AAAB 5 4 7 7 8 8 7 8/26/1995 Kanigowski 244 122 R 1/9/1995  AAAA 5 5 3 8 5 5 3 1 1/13/1995 Schuster 297 284.4 1/12/8/1990  AAAA 5 4 7 7 8 6 8/1993 Harrison, et al. 297 284.4 1/12/8/1990  AAAA 5 5 8 6 6 7 8 7 7 8 8 0 3/30/1993 Coughlin 297 284.4 3/20/1991  AAAA 5 1 9 7 7 8 6 6/8/1993 Harrison, et al. 297 284.4 3/20/1991  AAAA 5 1 9 7 6 6 4 3 12/31/1992 Neal 297 284.4 3/20/1991  AAAA 5 1 9 7 6 6 6 4 3 12/31/1992 Neal 297 284.4 3/20/1991  AAAA 5 1 9 7 6 6 6 6 3 3/30/1993 Coughlin 297 284.4 3/20/1991  AAAA 5 0 0 2 6 1 1 6 6/25/1991 Nagashira 297 284. 5/21/1990	AAL	5	7	5	8	9	2	5	6/2/1998	Schrewe, et al.	297	284.6	12/2/1996
AAO	AAM	5	7	1	8	4	7	6	2/17/1998	De Pascal, et al.	297	284.4	9/20/1996
AAP 5 6 6 5 1 5 8 3 7/29/1997 Klingler, et al. 297 284.4 9/10/1993  AAQ 5 6 6 3 8 7 2 2 2 6/17/1997 Klingler 74 502.4 6/16/1994  AAR 5 6 2 6 3 9 0 5/6/1997 Schuster, et al. 297 284.1 6/7/1995  AAS 5 6 0 0 9 3 9 4 3/11/1997 Ligon, Sr., et al. 297 284.4 2/23/1996  AAT 5 5 8 8 7 0 3 12/31/1996 Itou 297 284.4 10/12/95  AAU 5 5 6 7 0 1 1 10/22/1996 Sessini 297 284.4 5/12/1994  AAV 5 5 6 7 0 1 1 0 10/22/1996 Sparks 297 284.4 8/29/1994  AAW 5 5 6 6 2 3 2 4 10/8/1996 Massara, et al. 297 284.4 8/29/1994  AAW 5 5 5 6 7 0 1 1 0 10/22/1996 Sparks 297 284.4 8/29/1994  AAW 5 5 5 6 2 3 2 4 10/8/1996 Massara, et al. 297 284.4 5/12/1994  AAY 5 5 5 8 9 1 7 9/10/1996 Adat, et al. 297 284.4 5/23/1994  AAA 5 5 4 9 8 0 0 3 3/12/1996 Ligon, Sr., et al. 297 284.1 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Macyaert 297 284.1 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Macyaert 297 284.1 12/8/1993  AAAB 5 4 5 2 8 6 8 9/26/1995 Kanigowski 244 122 R 11/9/1995  AAAC 5 4 4 9 2 1 9 9/12/1995 Hay, et al. 297 284.4 11/8/1993  AAAB 5 4 5 2 8 6 8 8/26/1995 Kanigowski 244 122 R 11/8/1993  AAAB 5 3 3 5 9 6 8 8/11/1995 Jover 601 99 1/7/1993  AAAB 5 3 3 5 9 6 8 8/9/1994 Lifen 297 284.4 4/9/1990  AAAA 5 5 3 3 5 9 6 8 8/9/1994 Lifen 297 284.4 4/9/1990  AAAA 5 5 1 7 2 7 8 6/8/1993 Harrison, et al. 297 284.7 11/9/1995  AAAA 5 5 1 7 7 2 7 8 6/8/1993 Kato 297 284.7 11/9/1992  AAAA 5 5 1 7 2 7 8 6/8/1993 Harrison, et al. 297 284.7 11/9/1992  AAAA 5 1 7 7 4 5 2 6 12/29/1992 Kato 297 284.7 11/9/1992  AAAA 5 1 7 7 8 6/8/1993 Harrison, et al. 297 284.7 11/9/1992  AAAA 5 1 7 7 8 6/8/1993 Kato 297 284.7 11/9/1992  AAAA 5 1 7 7 8 6/8/1993 Kato 297 284.7 11/9/1992  AAAA 5 1 7 7 8 6/8/1993 Kato 297 284.4 1/1/8/1991  AAAA 5 1 7 7 8 6/8/1993 Harrison, et al. 297 284.4 1/1/8/1991  AAAA 5 1 7 7 8 6/8/1993 Harrison, et al. 297 284.4 1/1/8/1991  AAAA 5 1 7 7 8 6/8/1993 Harrison, et al. 297 284.4 1/1/8/1991  AAAA 5 0 7 6 6 4 3 12/31/1991 Colosanti, et al. 297 284. 8/20/1990  AAAA 5 0 7 6 6 4 1 1 6 6/25/1991 Dal Monte 297 284. 8/20/1990  AAAA 5 6 0 2 2 7 7 0 9 6/11/1991 Marchin	AAN	5	7	0	4	6	8	7	1/6/1998	Klingler	297	284.4	4/22/1994
AAQ 5 6 6 3 8 7 2 2 6/17/1997 Klingler 74 502.4 6/16/1994  AAR 5 6 2 6 3 9 0 5/6/1997 Schuster, et al. 297 284.1 6/7/1995  AAS 5 6 0 9 9 3 9 4 3/17/1997 Ligon, Sr., et al. 297 284.4 2/23/1996  AAAT 5 5 8 8 7 0 3 12/31/1996 Itou 297 284.4 10/12/95  AAU 5 5 6 7 0 1 1 10/22/1996 Sessini 297 284.4 8/29/1994  AAV 5 5 6 6 7 0 1 1 0 10/22/1996 Sparks 297 284.4 8/29/1994  AAW 5 5 6 6 2 3 2 4 10/8/1996 Massara, et al. 297 284.4 8/29/1994  AAAW 5 5 6 6 2 3 2 4 10/8/1996 Massara, et al. 297 284.4 8/29/1994  AAAW 5 5 5 6 2 3 2 4 10/8/1996 Massara, et al. 297 284.4 6/30/1994  AAAY 5 5 1 8 2 9 4 5/21/1996 Ligon, Sr., et al. 297 284.4 6/30/1994  AAAY 5 5 1 8 2 9 4 5/21/1996 Ligon, Sr., et al. 297 284.4 6/30/1994  AAAA 5 5 4 9 8 0 6 3 3/12/1996 Schuster, et al. 297 284.1 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Maeyaert 297 284.1 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Maeyaert 297 284.1 12/8/1993  AAAB 5 4 5 2 8 6 8 8 9/26/1995 Kanigowski 244 122 R 1/9/1995  AAAAC 5 4 4 9 9 2 1 9 9/12/1995 Hay, et al. 297 284.4 1/18/1993  AAAAC 5 4 4 9 2 1 9 9/12/1995 Nagashima 297 284.5 3/11/1994  AAAAC 5 3 3 5 9 3 6/13/1995 Schuster  AAAC 5 4 4 9 2 1 9 9/12/1995 Nagashima 297 284.5 3/11/1994  AAAAC 5 4 4 9 2 1 9 9/12/1995 Nagashima 297 284.5 3/11/1994  AAAAC 5 4 4 9 2 1 9 9/12/1995 Nagashima 297 284.4 1/18/1993  AAAAC 5 4 4 9 2 1 9 9/12/1995 Nagashima 297 284.4 1/18/1993  AAAAC 5 3 8 5 5 3 1 1/13/1995 Schuster 297 284.1 8/6/1990  AAAAC 5 1 7 7 2 7 8 6/8/1993 Harrison, et al. 297 284.4 3/20/1991  AAAAC 5 1 7 7 2 7 8 6/8/1993 Harrison, et al. 297 284.4 3/20/1991  AAAAC 5 0 8 8 7 9 0 2/18/1992 Wainwright, et al. 297 284.4 3/20/1991  AAAAN 5 1 7 4 5 2 6 12/29/1992 Wainwright, et al. 297 284.4 3/20/1991  AAAAC 5 0 8 8 7 9 0 2/18/1992 Wainwright, et al. 297 284 3/20/1991  AAAAC 5 0 5 0 9 3 0 9/24/1991 Schuster, et al. 297 284 8/20/1990  AAAAC 5 0 5 0 9 3 0 9/24/1991 Schuster, et al. 297 284 8/20/1990  AAAAC 5 0 5 0 9 3 0 9/24/1991 Schuster, et al. 297 284 8/20/1990  AAAAC 5 0 5 0 9 3 0 9/24/1991 Schuster, et al. 297 284 8/20/1990	AAO	5	6	5	1	5	8	4	7/29/1997	Chenot, et al.	297	284.4	4/24/1995
AAR 5 6 6 2 6 3 9 0 5/6/1997 Schuster, et al. 297 284.1 6/7/1995  AAS 5 6 0 9 9 3 9 4 3/11/1997 Ligon, Sr., et al. 297 284.4 2/23/1996  AAT 5 5 8 8 7 0 3 12/31/1996 Itou 297 284.4 10/12/95  AAU 5 5 6 7 0 1 1 1 10/22/1996 Sessini 297 284.4 5/12/1994  AAV 5 5 6 6 7 0 1 1 0 10/22/1996 Sparks 297 284.4 5/12/1996  AAW 5 5 5 6 7 0 1 1 0 10/22/1996 Massara, et al. 297 284.6 2/2/1996  AAX 5 5 5 6 2 3 2 4 10/8/1996 Massara, et al. 297 284.6 2/2/1996  AAX 5 5 5 1 8 2 9 4 5/21/1996 Ligon, Sr., et al. 297 284.4 5/33/1994  AAX 5 5 5 1 8 2 9 4 5/21/1996 Ligon, Sr., et al. 297 284.4 5/33/1994  AAX 5 5 5 1 8 2 9 9 4 5/21/1996 Schuster, et al. 297 284.4 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Massara 297 284.1 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Massara 297 284.1 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Massara 297 284.1 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Massara 297 284.1 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Massara 297 284.1 12/8/1995  AAAA 5 4 7 4 3 5 8 12/12/1995 Massara 297 284.4 1/18/1993  AAAA 5 4 7 4 3 5 8 12/12/1995 Massara 297 284.4 1/18/1993  AAAA 5 5 4 7 8 9 8 0 6 3 3/13/1995 Magashima 297 284.4 1/18/1993  AAAA 5 5 4 7 8 6 8 9/26/1995 Nagashima 297 284.4 1/18/1993  AAAA 5 5 7 1 6 4 3/14/1995 Schuster 297 284.4 1/18/1993  AAAA 5 5 3 8 5 5 3 1 1/13/1995 Nagashima 297 284.1 8/6/1990  AAAA 5 5 3 8 5 5 3 1 1/13/1995 Jover 601 99 1/17/1993  AAAA 5 5 2 8 6 0 8 7 2/15/1994 Lin 297 284.7 11/9/1992  AAAA 5 5 3 8 5 5 3 1 1/13/1995 Massari 297 284.7 11/9/1993  AAAA 5 5 2 8 6 0 8 7 2/15/1994 Lin 297 284.7 11/9/1993  AAAA 5 5 2 8 6 0 8 7 2/15/1994 Lin 297 284.7 11/9/1993  AAAA 5 5 1 9 7 7 8 0 3/30/1993 Coughlin 297 284.7 11/9/1993  AAAA 5 5 0 7 6 6 4 3 11/13/1991 Nation 297 284.7 11/9/1991  AAAA 5 5 0 7 6 6 4 3 11/13/1991 Nation 297 284.4 6/24/1991  AAAA 5 5 0 7 6 6 4 3 11/13/1991 Nation 297 284 5/21/1990  AAAA 5 5 0 7 6 6 4 3 11/13/1991 Colasanti, et al. 297 284 5/21/1990  AAAA 5 5 0 2 6 1 1 1 6 6/25/1991 Dal Monte 297 284 12/22/1989	AAP	5	6	5	1	5	8	3		Klingler, et al.	297	284.4	9/10/1993
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AAU 5 5 6 7 0 1 1 10/22/1996 Sessini 297 284.4 5/12/1994  AAV 5 5 6 7 0 1 1 0 10/22/1996 Sparks 297 284.4 8/29/1994  AAW 5 5 5 6 7 0 1 0 10/22/1996 Sparks 297 284.6 2/2/1996  AAW 5 5 5 6 2 3 2 4 10/8/1996 Massara, et al. 297 284.6 2/2/1996  AAX 5 5 5 3 9 1 7 9/10/1996 Adat, et al. 297 230.14 6/30/1994  AAV 5 5 1 8 2 9 4 5/21/1996 Ligon, Sr., et al. 297 284.4 5/23/1994  AAAV 5 5 1 8 2 9 4 5/21/1996 Schuster, et al. 297 284.1 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Maeyaert 297 284.1 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Maeyaert 297 284.7 4/26/1993  AAAB 5 4 5 2 8 6 8 9/26/1995 Kanigowski 244 122 R 1/9/1995  AAAC 5 4 4 9 9 2 1 9 9/12/1995 Hay, et al. 297 284.5 3/11/1994  AAAA 5 3 9 7 1 6 4 3/14/1995 Schuster 297 284.1 18/6/1990  AAAA 5 3 9 7 1 6 4 3/14/1995 Schuster 297 284.1 8/6/1990  AAAA 5 3 8 5 5 3 1 1/13/1995 Schuster 297 284.1 8/6/1990  AAAA 6 5 3 8 5 5 3 1 1/13/1995 Jover 601 99 1/17/1993  AAAA 6 5 3 8 5 5 3 1 1/13/1995 Jover 601 99 1/17/1993  AAAA 6 5 2 9 9 8 5 1 4/5/1994 Lin 297 284.5 5/19/1993  AAAA 6 5 2 9 9 8 5 1 4/5/1994 Lin 297 284.4 4/9/1990  AAAA 5 2 1 7 2 7 8 6/8/1993 Harrison, et al. 297 284.7 11/9/1992  AAAA 5 1 7 4 5 2 6 12/29/1993 Kato 297 284.7 3/13/19/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 11/27/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 11/27/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 11/27/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 11/27/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 11/27/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 11/27/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 11/27/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 11/27/1991  AAAA 5 5 0 2 6 1 1 1 6 6/25/1991 Dal Monte 297 284 5/21/1990  AAAA 5 5 0 2 6 1 1 1 6 6/25/1991 Dal Monte 297 284 8/29/1990  AAAB 5 0 2 2 7 0 9 6/11/1991 Marchino 297 284 12/21/1989	AAS	5	6	0	9	3	9	4	3/11/1997	Ligon, Sr., et al.	297	284.4	2/23/1996
AAV 5 5 6 6 7 0 1 0 10/22/1996 Sparks 297 284.4 8/29/1994  AAW 5 5 5 6 2 3 2 4 10/8/1996 Massara, et al. 297 284.6 2/2/1996  AAX 5 5 5 5 3 9 1 7 9/10/1996 Adat, et al. 297 230.14 6/30/1994  AAY 5 5 1 8 2 9 4 5/21/1996 Ligon, Sr., et al. 297 284.4 5/23/1994  AAZ 5 4 9 8 0 6 3 3/12/1996 Schuster, et al. 297 284.1 12/8/1994  AAAA 5 4 7 4 3 5 8 12/12/1995 Massara  AAAB 5 4 5 2 8 6 8 9/26/1995 Kanigowski 244 122 R 1/9/1995  AAAC 5 4 4 9 2 1 9 9/12/1995 Magashima 297 284.5 3/11/1994  AAAA 5 3 4 7 1 6 4 3/14/1995 Schuster  AAAB 5 4 5 2 8 6 8 9/26/1995 Schuster  AAAB 5 3 9 7 1 6 4 3/14/1995 Schuster  AAAB 5 3 8 5 5 3 1 1/13/1995 Jover 601 99 1/17/1993  AAAB 5 3 8 5 5 3 1 1/13/1995 Jover 601 99 1/17/1993  AAAAB 5 3 8 5 5 3 1 1/13/1995 Jover 601 99 1/17/1993  AAAAB 5 1 2 9 9 8 5 1 4/5/1994 Elton 297 284.4 4/9/1990  AAAH 5 2 9 9 8 5 1 4/5/1994 Elton 297 284.5 5/19/1993  AAAA 5 2 8 6 0 8 7 2/15/1994 Elton 297 284.5 5/19/1993  AAAA 5 2 1 7 2 7 8 6/8/1993 Harrison, et al. 297 284.4 3/20/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 R 11/9/1992  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 R 11/9/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 R 11/9/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 R 11/9/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 R 11/9/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 I1/27/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 I1/27/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Kanigowski 244 122 I1/27/1991  AAAA 5 1 7 4 5 2 6 12/29/1992 Wainwright, et al. 297 284.7 3/31/3/1991  AAAA 5 1 7 7 6 6 4 3 12/31/1991 Colasanti, et al. 297 284 8/20/1990  AAAA 5 5 0 2 2 7 0 9 9 6/11/1991 Marchino 297 284 12/22/1989  AAAA 5 5 0 2 2 7 0 9 9 6/11/1991 Marchino 297 284 12/22/1989		5		8	8	7	0	3	12/31/1996	Itou	297	284.4	10/12/95
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AAAO 5 0 8 8 7 9 0 2/18/1992 Wainwright, et al. 297 284 5/21/1990  AAAP 5 0 7 6 6 4 3 12/31/1991 Colasanti, et al. 297 284 8/20/1990  AAAQ 5 0 5 0 9 3 0 9/24/1991 Schuster, et al. 257 284 8/3/1990  AAAR 5 0 2 6 1 1 6 6/25/1991 Dal Monte 297 284 12/22/1989  AAAS 5 0 2 2 7 0 9 6/11/1991 Marchino 297 452 2/13/1989			1	7	4	5	2	6	12/29/1992	Kanigowski	244	122	11/27/1991
AAAP 5 0 7 6 6 4 3 12/31/1991 Colasanti, et al. 297 284 8/20/1990  AAAQ 5 0 5 0 9 3 0 9/24/1991 Schuster, et al. 257 284 8/3/1990  AAAR 5 0 2 6 1 1 6 6/25/1991 Dal Monte 297 284 12/22/1989  AAAS 5 0 2 2 7 0 9 6/11/1991 Marchino 297 452 2/13/1989	 AAAN	1		3	7	3	2	9	8/11/1992	Neale	297	284	6/24/1991
AAAQ 5 0 5 0 9 3 0 9/24/1991 Schuster, et al. 257 284 8/3/1990  AAAR 5 0 2 6 1 1 6 6/25/1991 Dal Monte 297 284 12/22/1989  AAAS 5 0 2 2 7 0 9 6/11/1991 Marchino 297 452 2/13/1989						7	9	0		Wainwright, et al.	297	284	5/21/1990
AAAR 5 0 2 6 1 1 6 6/25/1991 Dal Monte 297 284 12/22/1989  AAAS 5 0 2 2 7 0 9 6/11/1991 Marchino 297 452 2/13/1989		<del></del>	<del></del>	7	6	6	4	3	12/31/1991	Colasanti, et al.	297	284	8/20/1990
AAAS 5 0 2 2 7 0 9 6/11/1991 Marchino 297 452 2/13/1989		5	0	5	0	9	3	0	9/24/1991	Schuster, et al.	257	284	8/3/1990
AAAS 5 0 2 2 7 0 9 6/11/1991 Marchino 297 452 2/13/1989		5	0	2	6	1	ı	6	6/25/1991	Dal Monte	297	284	12/22/1989
111 1 5 0 0 5 0 0 1 1 10 10 10 10 10 10 10 10 10 10 1		5	0	2	2	7	0	9	6/11/1991	Marchino	297		
	AAAT	5	0	0	5	9	0	4	4/9/1991	Clemens, et al.	297	284	

PTO/-A820 (08-00)
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## 37 CFR 1.501 INFORMATION DISCLOSURE CITATION IN A PATENT

(use as many sheets as necessary)

Docket Number (Optional) 41575-220	Application Number
Applicant McMillen, Robert	
Filing Date	Group Art Unit

											<u> </u>	
AAAU	4	9	6	8	0	9	3	11/6/1990	Dal Monte	297	284	12/22/1989
AAAV	4	9	5	7	1	0	2	9/18/1990	Tan, et al.	128	68	9/27/1988
AAAW	4	9	5	0	0	3	2	8/21/1990	Nagasaka	297	284	7/25/1989
AAAX	4	9	1	5	4	4	8	4/10/1990	Morgenstern	297	284	7/11/1988
AAAY	4	9	0	9	5	6	8	3/20/1990	Dal Monte	292	284	10/13/1988
AAAZ	4	8	8	0	2	7	1	11/14/1989	Graves	257	284	12/23/1988
AAAAA	4	7	3	0	8	7	ì	3/15/1988	Sheldon	297	230	8/14/1986
AAAAB	4	6	7	9	8	4	8	7/14/1987	Spierings	297	284	8/14/1986
AAAAC	4	6	7	6	5	5	0	6/30/1987	Neve De Mevergnies	297	353	2/12/1985
AAAAD	4	6	3	2	4	5	4	12/30/1986	Naert	297	284	10/29/1984
AAAAE	4	6	3	0	8	6	5	12/23/1986	AHS	297	284	11/23/1983
AAAAF	4	6	2	7	6	6	1	12/9/1986	Ronnhult, et al.	297	284	7/25/1984
AAAAG	4	6	0	2	8	1	9	7/29/1986	Morel	297	460	5/19/1983
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AAAAJ	4	5	6	5	4	0	6	1/21/1986	Suzuki	297	284	3/22/1985
AAAAK	4	5	6	4	2	3	5	1/14/1986	Hatsutta, et al.	297	284	11/9/1984
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AAAAN	4	5	5	5	1	4	0	11/26/1985	Nemoto	297	452	2/23/1984
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AAAAR	4	4	4	9	7	5	1	5/22/1984	Murphy, et al.	297	284	5/26/1981
AAAAS	4	3	9	0	2	1	0	6/28/1983	Wisniewski, et al.	297	452	12/15/1980
AAAAT	4	3	5	4	7	0	9	10/19/1982	Schuster	297	284	6/22/1979
AAAAU	4	3	1	6	6	3	i	2/23/1982	Lenz, et al.	297	284	12/6/1979
AAAAV	4	3	1	3	6	3	7	2/2/1982	Barley	297	284	11/13/1979
AAAAW	4	2	9	5	6	8	1	10/20/1981	Gregory	297	284	2/19/1980
AAAAX	4	1	8	2	5	3	3	1/8/1980	Arndt, et al.	297	284	12/26/1978
AAAAY	4	1	5	6	5	4	4	5/29/1979	Swenson, et al.	297	284	3/20/1978
AAAAZ	4	1	5	3	2	9	3	5/8/1979	Sheldon	297	284	9/6/1977
AAAAAA	4	1	3	6	5	7	7	1/30/1979	Borgersen	74	479	11/10/1976
AAAAAB	3	7	6	2	7	6	9	10/2/1973	Poschl	297	284	12/16/1971
AAAAAC	3	7	2	4	1	4	4	4/3/1973	Schuster	52	108	12/14/1970
AAAAAD	3	4	9	2	7	6	8	2/3/1970	Schuster, W.	52	98	4/10/1968
AAAAAE	3	4	9	0	0	8	4	1/20/1970	Schuster, W.	5	351	1/22/1968
AAAAAF	3	3	7	8	2	9	9	4/16/1968	Sandor, W.C.	297	284	7/5/1966

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#### Docket Number (Optional) Application Number 41575-220 37 CFR 1.501 Applicant INFORMATION DISCLOSURE CITATION McMillen, Robert IN A PATENT Filing Date Group Art Unit (use as many sheets as necessary) AAAAAG 2 9 6/28/1960 Binding, K.W. 11/12/1957 4 2 6 5 1 155 131 AAAAAH 2 8 4 9 7/15/1958 Barvaeus, A.E.A. 3 1 5 155 182 1/25/1956 AAAAAI 2 7 5 9 7/31/1956 Endresen, E. 6 8 0 155 182 6/30/1954 AAAAAJ 2 5/9/1917 8 8 5 4 Poler, A.J. N/A N/A 5/10/1915 FOREIGN PATENT DOCUMENTS Examiner Translation Initial Document Number Issue Date Country International Class Yes No BA 0 698 360 B1 3/22/2000 EPO A47C 7/46 X BB WO/00/00064 1/6/2000 WO A47C 3/025 X 0 797 399 B1 EPO BC 11/11/1998 A47C 7/46 PART. BD 0 746 219 B1 11/4/1998 EPO A47C 7/46 PART. 0 696 251 B1 EPO BE 7/16/1997 B60N 2/44 PART. BF 0 702 522 B1 3/19/1997 EPO A47C 7/46 X BG0 662 795 B1 **EPO** 12/11/1996 A47C 7/46 PART. BH 401 497 9/25/1996 AT B6ON 2/22 PART. BI 0 540 481 B1 12/6/1995 **EPO** A47C 7/46 X 0 434 660 B1 ΒJ 5/3/1995 **EPO** A47C 7/46 X BK 0 485 483 B1 1/26/1994 **EPO** A47C 7/46 PART. BKa 42 20 995 A1 1/27/1994 DE A47C 7/46 PART. BL0 322 535 A1 7/5/1989 EPO A47C 7/46 X BM 0 169 293 B1 10/5/1988 EPO A47C 7/46 X BN 2 596 334 10/2/1987 FR B6ON 1/06 PART. BO 0 006 840 B1 2/3/1982 A47C 23/00 **EPO** PART. BP 29 47 472 8/7/1980 DE B 60 N 1/00 PART. BO 1 423 617 2/4/1976 GB A47C 7/46 X BR 206 4419 7/20/1972 DE B60N 1/06 X BS 2040794 7/8/1971 DE A47C 7/28 X BT 587924 2/21/78 RU A47C 7/46 X BU2013487 2/3/1978 GB A47C 7/46 X OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) Examiner Initial **DOCUMENT**

EXAMINER	DATE CONSIDERED